

D'YACHENKO, Petr Yefimovich; VAYNSHTEYN, Vera Edmundovna; GROZINSKAYA,  
Zoya Petrovna; BAL'YAN, L.G., red. izd-va; RASHEVSKAYA, Ye.Z.,  
tekhn. red.

[Methods for checking and standardizing the undulations of  
surfaces] Metody kontrolia i standartizatsii volnistosti po-  
verkhnosti. Moskva, Standartgiz, 1962. 94 p. (MIRA 15:9)  
(Surfaces (Technology))--Testing)

BILIK, Shaya Mendelevich, doktor tekhn. nauk; D'YACHENKO, P.Ye.,  
doktor tekhn. nauk, prof., retsentent; VAYNSHTEYN, V.E.,  
kand. tekhn.nauk, red.; MERENSKAYA, I.Ya., red. Izd-va;  
SMIRNOVA, G.V., tekhn. red.; GORDEYEVA, L.P., tekhn. red.

[Macroscopic geometry of machine parts] Makrogeometriia detalei  
mashin. Moskva, Mashgiz, 1962. 274 p. (MIRA 16:2)  
(Machinery--Design and construction)  
(Surfaces (Technology))

VAYNSHTEYN, V.E.; PRONDIZHINSKIY, A.M.

Using the method of radioactive tracers for evaluating the  
power of bearing materials to absorb abrasive parts occurring in  
lubricants. Tren.i izn.mash. no.15:47-58 '62. (MIRA 15:4)  
(Bearing metals--Testing)  
(Radioactive tracers--Industrial applications)

L 32599-66 EWI(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b) JD/DJ  
ACC NR: AP5017079 SOURCE CODE: UR/0380/65/000/004/C102/0114

AUTHOR: Vaynshteyn, V. E. (Moscow); Suchkova, O. A. (Moscow); Memelov, V. L. (Moscow) 20  
19  
B

ORG: none

TITLE: Effect of abrasive conditions on the friction characteristics of molybdenum disulfide

SOURCE: Mashinovedeniye, no. 4, 1965, 108-114

TOPIC TAGS: molybdenum disulfide, friction coefficient, metal friction

ABSTRACT: The authors study the effect of the sliding rate and loading on the coefficient of friction in molybdenum disulfide. A 20-30  $\mu$  layer of molybdenum disulfide was applied to the ends of annular bronze specimens. The material for the other member of the friction pair was 2Kh13 steel. The effect of surface finish on the friction properties of molybdenum disulfide was also studied. The effect of continuous stationary contact on the coefficient of friction in  $MoS_2$  was studied by applying a layer of molybdenum sulfide to the internal surface of bronze sleeves

UDC: 621.894:

Card 1/2

2

L 32599-66

ACC NR: AP5017079

and mounting them on 2Kh13 steel shafts. Curves for the coefficient of friction in molybdenum disulfide as a function of sliding rate show a reduction in the coefficient of friction with an increase in sliding rate up to 1.5 m/sec. Beyond this point, friction increases with sliding rate. A curve for the coefficient of friction as a function of temperature close to the friction surface shows a reduction in friction with an increase of temperature below 100°. This is probably due to a reduction in the moisture content on the friction surface. There is an increase in friction with temperature beyond this point due to the partial oxidation of molybdenum disulfide on the friction surface. It was found that an increase in pressure reduces the coefficient of friction. 48 hours of stationary contact increases the coefficient of friction from 0.14-0.17 to 0.28-0.30. Under sliding friction conditions, this coefficient drops rapidly to the initial value. Experiments indicate that this phenomenon is due to the formation of molybdenum trioxide which absorbs moisture from the air during the stationary period. Tests indicate that a GOST 2789-59 class 8 finish is optimum for steel parts working against self-lubricating materials based on MoS<sub>2</sub>. The coefficient of friction is reduced considerably by operation in a vacuum. Orig. art. has: 6 figures, 1 table.

SUB CODE: 11/ SUBM DATE: 19Jan65/ ORIG REF: 000/ OTH REF: 010

Card 2/2 J0

L 10/09-67 EWT(m)/EWP(j) IJP(c) DJ/RM  
ACC NR: AP6025817 (A)

SOURCE CODE: UR/0117/66/000/005/0018/0020

AUTHORS: Vaynshteyn, V. E. (Candidate of technical sciences); Troyanovskaya, G. I.  
(Candidate of technical sciences)

ORG: none

TITLE: Self-lubricating polymeric materials in roller bearings

SOURCE: Mashinostroitel', no. 5, 1966, 18-20

TOPIC TAGS: roller bearing, solid lubricant, organic lubricant, cobalt, chromium, vanadium, molybdenum, high temperature lubricant, steel / ShKh15 steel

ABSTRACT: The use of the following polymeric self-lubricating materials in the construction of roller bearings on the high-temperature and vacuum performance and longevity of the bearings was investigated: polyacetal, MoS<sub>2</sub>+ epoxy resin, polyamide + graphite, and teflon + fiber glass. The performance of Cr-Mo-V and steel ShKh15 roller bearings was compared. The experimental results are presented in graphs and tables (see Fig. 1). It was found that the performance of the roller bearings improved considerably if the latter were equipped with a special polyamide ring (see Fig. 2). The most effective lubricant was found to be the combination teflon + fiber glass.

UDC: 621.822.6.002.3:678.5

Card 1/2

L 10709-67

ACC NR: AP6025817

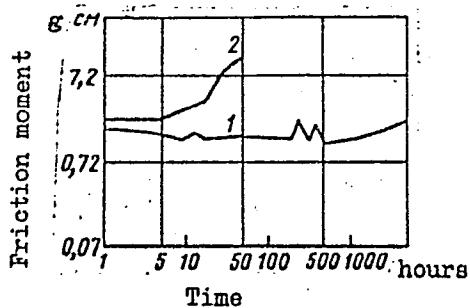


Fig. 1. Time dependence of the friction moment. 1 - epoxy resin +  $\text{MoS}_2$ ; 2 - teflon + fiber glass +  $\text{MoS}_2$  lubricant, respectively

Orig. art. has: 5 tables and 3 graphs.

SUB CODE: 13/ SUBM DATE: none

Card 2/2

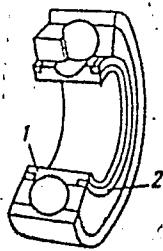


Fig. 2. Modified roller bearing. 1 - inner ring; 2 - polyamide ring

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CIA-RDP86-00513R001859120012-2

VAYNSHTEYN, V.E. (Moskva); SUCHKOVA, O.A. (Moskva); MEMELOV, V.I. (Moskva)

Effect of friction conditions on friction characteristics of  
molybdenum disulfide. Mashinovedenie no.42(02-11) '65.

(MIRA 18:8)

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CIA-RDP86-00513R001859120012-2"

L 1541-66 EWT(m)/EWP(w)/EPF(c)/EWP(i)/EWP(j)/T/EWP(t)/EWP(z)/EWP(b) IJP(1)

BW/JD/HW/JG/DJ/GS/RM

ACCESSION NR: AT5020443

UR/0000/65/000/000/0233/0237

AUTHOR: Vaynshteyn, V. E.

TITLE: Materials for dry friction junctions

SOURCE: AN SSSR. Nauchnyy sovet po treniyu i smazkam. Teoriya smazochnogo deystviya i novyye materialy (Theory of lubricating action and new materials). Moscow, Izd-vo Nauka, 1965, 233-237

TOPIC TAGS: solid lubricant, lubrication, lubricant property, self lubricating material, molybdenum disulfide

ABSTRACT: A discussion of solid lubricants is presented. After citing several references on the inadequacy of conventional lubricants (E. J. Oliver, Electro-Technology, 1963, 71, N4; E. E. Bruescke and B. Eckman. Rev., Scientific Instrument, 1963, 34, N9; G. F. Vanderschmidt and J. C. Simons. First Symposium of Surface Effects on Spacecraft Materials, May, 1959) under cryogenic, high temperature or vacuum conditions, the application of thin metal films, polymer coatings based on solid lubricants, self-lubricating materials and metalloceramic compositions are briefly discussed. The thin (3-5 micron) metal coatings of Ni, Ag, Co, Pa, etc. applied by electrolytic or chemical methods have been found to be

Card 1/2 71

L 1541-66  
ACCESSION NR: AT5020443

particularly effective when applied by a method of multilayer settling in vacuum (Elektronika--Russian translation t.34 M., Izd-vo inostr. lit., 1961). Polymer coatings are applied by pulverization on prepared metal surfaces. Application of hard lubricants based on MoS<sub>2</sub> has been investigated by VNIINP and described previously (no reference). Self-lubricating materials containing MoS<sub>2</sub>, WS<sub>2</sub>, MoSe<sub>2</sub>, and NbSe<sub>2</sub> are considered most promising as solid lubricants. The properties of Du bearing material and a similar material developed at IMASH are discussed briefly (friction coefficient 0.05-0.10 at 0.1 m/sec and 2840 kg/cm<sup>2</sup>). Of the metalloceramic lubricants teflon<sup>TM</sup> solid lubricant compositions (1:2 or 1:3) in a silver matrix have been found effective (0.11-0.21 at 0.24 m/sec, 98 kg/cm<sup>2</sup>). It is suggested that the contact element have better than class 10 finish, RC of ≈ 55 kg/mm<sup>2</sup> and, in the case of MoS<sub>2</sub>-based self-lubricating materials, should contain at least 8% Mo or be Mo plated. Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 22May65

ENCL: 00

SUB CODE: FP

NO REF Sov: 002

OTHER: 008

Card 2/2

Vaynshteyn, V.G.

GIRGOLAV, S.S., professor (Leningrad); LEVIT, V.S., professor (Moskva); BABCHIN, I.S., professor (Leningrad); BAKULEV, A.N., professor (Moskva); BEKERMAN, L.S., dotsent (Leningrad); VAYNSHTEYN, V.O., professor (Leningrad); GERTSBERG, V.G., professor (Kazan'); GINZBERG, M.M., professor (Moskva) [deceased]; GOTLIB, Ya.G., professor (Moskva); DZHANELIDZE, Yu.Yu., professor (Leningrad); DRACHINSKAYA, Ye.S., dotsent (Leningrad); YELANSKIY, N.N., professor (Leningrad); KORNEV, P.G., professor (Leningrad); KOCHERGIN, I.G., professor (Moskva); LIMBERG, A.A., professor (Leningrad); LIMBERG, B.E., professor (Moskva); MEZHENEV, S.A., dotsent (Leningrad); NAZAROV, V.M., professor (Leningrad); OZEROV, A.D., professor (Leningrad) [deceased]; OSTEN-SAKEN, E.Yu., professor (Leningrad) [deceased]; PETROV, N.N., professor (Leningrad); POLENOV, A.L., professor (Leningrad); SAMARIN, N.P., professor (Leningrad); SHVARTS, N.V., professor (Leningrad) [deceased]; SHAMOV, V.N., professor (Leningrad); SHABANOV, A., redaktor

[Manual of specialized surgery] Uchebnik chastnoi khirurgii. Sost. I.S.Babchin i dr. Izd. 2-oe, ispr. i dop. Moskva, Markomzdrav SSSR. Gos. izd-vo med. lit-ry "Medgiz." Vol.1. 1946. 363 p. (MIRA 10:2)  
(SURGERY)

VAINSHTEYN, V. G.; LATONINA, T. S.

Surgical therapy of old fracture-dislocations of the ankle joint. Vest khir. Grekova, Leningr. 71 no. 6:50-53 1951.  
(CLML 21:3)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859120012-2

VAYNSHTEYN, V.G.

Gastric plastic surgery. Khirurgiia, Moskva no. 8:74-79 Aug. 1952.  
(CLML 23:3)

1. Professor. 2. Of Military Medical Academy imeni S. M. Kirov.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859120012-2"

VAYNSHTEYN, V.G.; LYTKIN, M.I.

Surgical treatment of perilunar dislocations of the wrist. Vest. khir.  
Grekona, Leningr. 72 no. 3:39-44 May-June 1952. (CLML 22:4)

1. Of the Clinic of Hospital Surgery (Head --- S. S. Girgolav, Active  
Member of the Academy of Medical Sciences USSR), Military Medical  
Academy imeni S. M. Kirov.

VAYNSHTEYN, V.G., professor, Leningrad, Kirovskii pr., d. 26/28,  
M.V.69; SHELYAKHOVSKIY, M.V., kandidat meditsinskikh nauk

Osteosynthesis in open and concealed fractures of long bones.  
(MLRA 8:10)  
Vest.khir.75 no.5:29-37 Je '55.

1. Iz kliniki gospital'noy khirurgii (nach-prof. I.S.Kolesnikov) Voyenno-Meditsinskoy ordena Lenina akademii im.S.M. Kirova.

(FRACTURES, surgery,  
intramedullary nailing)

VAYNSHTEYN, V.G., prof. (Leningrad, Kirovskiy pr., d.26/28, kv.69)

Results of surgical treatment of ordinary dislocation of the shoulder joint [with summary in English, p.136]. Vest.khir. 79 no.12:16-20  
(MIRA 11:1)  
D '57.

(SHOULDER, dislocation  
surg. in customary recurrent, technic)

VAYNSHTEYN, V.G.

Plastic restoration of the thumb. Trudy Len.gos.nauch.-issl.  
inst.travm.i ortop. no.7:81-91 '58. (MIRA 13:6)

1. Iz otsteleniya neotlozhnoy travmatologii Leningradskogo gosu-  
darstvennogo nauchno-issledovatel'skogo instituta travmatologii  
i ortopedii.

(THUMB) (SURGERY, PLASTIC)

VAYNSHTEYN, V.G., prof.

Causes of unsuccessful results in the surgical treatment of  
fractures. Khirurgiia 34 no.2:12-19 F '58. (MIRA 11:4)

1. Iz Leningrdskogo nauchno-issledovatel'skogo instituta travmato-  
logii i ortopedii (dir. - prof. V.S.Balakina) i Gospital'noy khirurgi-  
cheskoy kliniki Voyenno-meditsinskoy ordena Lenina akademii imeni  
S.M.Kirova (nachal'nik - prof. I.S.Kolesnikov)  
(FRACTURES, surg.  
unsuccessful results, causes (Rus))

VAYNSHTEYN, V.G., prof.

"Plaster casts for fractures" by M.I. Kuslik. Reviewed by V.G.  
Vainshtein. Vest.khir. 80 no.5:139 My '58 (MIRA 11:?)  
(PLASTER, CASTS, SURGICAL)  
(KUSLIK, M.I.)

VAYNSHTEYN, Vladimir Grigor'yevich, red.

[Intra-articular fractures] Vnutrisustavnye perelomy. Lenin-  
grad. Medgiz, 1959. 264 p. (MIRA 13:7)  
(JOINTS--FRACTURE)

VAYNSHTEYN, V.G., prof. (Leningrad, Kirovskiy pr., d.26/28, kv.69);  
VIKHRIYEV, B.S., kand.med.nauk

Plastic repair of skin defects of the sacral region. Nov.khir.arkh.  
no.6:100-101 N-D '59. (MIRA 13:4)

1. Kafedra gospital'noy khirurgii (nachal'nik - prof. general-  
mayor med.sluzhby I.S. Kolesnikov) Voyenno-meditsinskoy akademii  
im. S.M. Kirova,  
(SKIN--ULCERS) (SURGERY, PLASTIC)

VAINSHTEIN, V.G.

Experience in the treatment of fractures of the femoral neck.  
Ortop. travm. i protez. 21 no. 2:3-8 F '60. (MIRA 13:12)  
(FEMUR-FRACTURES)

BLOKHIN, V.N., dots.; BOGDANOV, F.R., prof.; VAYNSHTEYN, V.G., prof.; GODUNOV, S.F., doktor med. nauk; MITREYTT, I.M., kand. mod. nauk; MOVSHOVICH, I.A., kand. med. nauk; MOLODAYA, Ye.K., prof.; NIKIFOROVA, Ye.K., prof.; NOVACHENKO, N.P., prof.; ROZOV, V.I., prof.; CHAKLIN, V.D., prof.; YAZYKOV, D.K., prof.; PETROVSKIY, B.V., prof., otv. red.; SENCHILO, K.K., tekhn. red.

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po khirurgii. Moskva, Medgiz. Vol.11, book 1. [Surgery of the upper extremities] Khirurgia verkhnei konechnosti. 1960. 518 p. (MIRA 15:3)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Bogdanov, Novachenko, Chaklin). 2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Petrovskiy).

(EXTREMITIES, UPPER—SURGERY)

VAYNSHTEYN, V.G.

Principles of the present-day treatment of bone fractures. Trudy  
Len.gos.nauch.-issl.inst.travm.i ortop. no.8:3-8 '61. (MIRA 15:9)  
(FRACTURES)

VAYNSHTEYN, V.G.

Treatment of open fractures of the tubular bones according to materials  
from the Leningrad Scientific Research Institute of Traumatology and  
Orthopedics. Trudy Len.gos.nauch.-issl.inst.travm.i ortop. no.8:9-15  
'61. (MIRA 15:9)

(FRACTURES)

BALAKINA, V.S., prof.; VERINGER, Yu.V., doktor med. nauk; VAYNSHTEYN,  
V.G., prof.; YERETSKAYA, M.F., starshiy nauchnyy sotr.;  
KASHKAROV, S.Ye., starshiy nauchnyy sotr.; TITOVA, A.T., starshiy  
nauchnyy sotr.; FREYDLIN, S.Y., prof.; TAL'MAN, I.M., red.;  
KHARASH, G.A., tekhn. red.; SAFRONOVA, I.M., tekhn. red.

[Concise course in traumatology] Kratkii kurs travmatologii.  
Leningrad, Medgiz, 1962. 287 p. (MIRA 16:1)  
(TRAUMATISM)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859120012-2

VAYNSHTEYN, V.G., prof. (Leningrad, Kirovskiy prospekt, d.26/28, kv.69);  
BERZIN, A.O.

Clinical and experimental development of brachioscapular periarthritis.  
Vest. Khir. no.12:43-48 '62. (MIR 17:11)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859120012-2"

VAYNSHTEYN, V.G., prof. (Leningrad)

"Hand injuries" by E.V.Usol'tseva. Reviewed by V.G.Vainshtein.  
Vest.khir. 89 no.9:137-138 S '62. (MIRA 15:12)  
(HAND—WOUNDS AND INJURIES) (USOL'TSEVA, E.V.)

AR'YEV, T.Ya., prof.(Leningrad); BABCHIN, I.S., prof.(Leningrad);  
VAYNSSTEIN, V.G., prof. (Leningrad); GORODETSKIY, Ye.M.,  
kand. med. nauk (Moskva); GRATSIANSKIY, V.P., prof.  
(Leningrad); KORNEV, P.G., prof.(Leningrad); KAPLAN, A.V., prof.  
(Moskva); LEVIT, V.S., zasl. deyatel' nauki, prof.[deceased];  
PSHENICHNIKOV, V.I., prof.(Moskva); RUFANOV, I.G., prof.  
(Moskva); SITENKO, V.M., prof.(Leningrad); SMIRNOV, Ye.V., prof.  
(Leningrad); FRIDLAND, M.O., zasl. deyatel' nauki, prof.(Moskva);  
SHEYNIS, V.N., doktor med. nauk,(Leningrad); SHLAPOBERSKIY,  
V.Ya., prof.(Moskva); VISHNEVSKIY, A.A., prof., red.; GOL'DGAMMER,  
K.K., red.; BEL'CHIKOVA, Yu.S., tekhn. red.

[Specialized surgery] Chastnaia khirurgiia; rukovodstvo dlja вра-  
чей в трех томах. Под red. A.A. Vishnevskogo i V.S. Levita.  
Moskva, Medgiz. Vol.3. [The extremities] Konechnosti. 1963. 670 p.  
(MIRA 16:5)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for  
Kornev, Rufanov).

(EXTREMITIES (ANATOMY))--SURGERY)

VAYNSHTEYN, V.G., prof. (Leningrad, Kirovskiy prosp. d. 26/28, kv. 69);  
PODOLYAK, G.A., doktor med. nauk.

Experience in the surgical treatment of bone fractures and pseudarthrosis. Vestn. khir. Grekov. 90 no. 4:48-55 Ap'64  
(MIRA 17:2)

1. Iz 1-y gospital'noy khirurgicheskoy kliniki (nachal'nik -  
prof. I.S. Kolesnikov) Voyenno-meditsinskoy ordena Lenina aka-  
demii imeni S.M. Kirova.

VAYNSHTEYN, V.G., prof. (Leningrad, P-101, Kirovskiy prospekt, 26/28, kv.69)

Hemiplasty of the proximal portion of the femur. Vest. Khir. no.7:  
75-78 J1 '64. (MIRA 18'4)

1. Iz Leningradskogo instituta travmatologii i ortopedii (dir. - prof.  
V.S. Balakina, nauchnyy rukovoditel' - prof. V.G.Vaynshteyn).

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CIA-RDP86-00513R001859120012-2

VAYNSHTEYN, V.G., prof. (Leningrad, P-101, Kirovskiy prosp. d. 26/28, kv. 69)

Methodology of surgical treatment in neglected dislocations of the  
hip joint. Ortop., travm. i protez. 25 no. 2:55-59 F '64.  
(MIRA 18:1)  
1. Iz Leningradskogo instituta travmatologii i ortopedii (direktor -  
prof. V.S.Balakina).

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859120012-2"

VAYNSHTEIN, V.G.; LYTKIN, M.I.

Skin plasty as emergency operation. Acta chir. plast. (Praha)  
7 no.1:35-45 '65

1. Leningrad Scientific Research Institute of Traumatology and  
Orthopaedics (Director: Prof. V.S. Balakina) Surgical Clinic,  
Leningrad, U.S.S.R., (Chief Surgeon: Prof. T.Y. Aryev).

VAYNSSTEYN, Vladimir Grigor'yevich; LYTKIN, Mikhail Ivanovich;  
KABAKOV, B.D., red.

[Dermatoplasty in primary surgical treatment of open  
lesions] Kozhnaya plastika pri pervichnoi khirurgiche-  
skoi obrabotke otkrytykh povrezhdenii. Leningrad, Me-  
ditsina, 1965. 235 p. (MIRA 18:2)

VAYNSHTEYN, V.I., inzh.

Use of improved hydraulic elevators in handling acids in electric power stations. Energetik. 13 no.7:15-16. 31 '65.

(MIRA 15:8)

1. Teploelektrotsentral' (Sumgait).

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859120012-2

VAYNSHTEYN, V.I., inzh.

Experience in the use of hydrazine. Elek. sta. 36 no.11:89-90  
(MIRA 18:10)  
N '65.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859120012-2"

VAYNSHTEYN, V.M., inzhener.

Drilling large-diameter water wells. Stroi.prom.neft.prom. 2  
no. 6-24-26 Je '57. (MILIA 10:7)  
(Boring)

ACC NR: AP6037023

(A,N)

SOURCE CODE: UR/0181/66/008/011/3447/3448

AUTHOR: Fistul', V. I.; Vaynshteyn, V. M.

ORG: none

TITLE: Mechanism of scattering of electrons in  $\text{In}_2\text{O}_3$  films

SOURCE: Fizika tverdogo tela, v. 8, no. 11, 1966, 3447-3448

TOPIC TAGS: indium compound, electron scattering, Hall effect, semiconducting film, phonon scattering .

ABSTRACT: In view of the scarcity of data on carrier scattering in  $\text{In}_2\text{O}_3$ , the authors determined the scattering mechanism of electrons by using the results of measurements of the Hall concentration of the carriers N and the thermoelectric power at room temperatures.  $\text{In}_2\text{O}_3$  films, undoped and doped with tin, were obtained by reactive cathode sputtering. The films were polycrystalline, strongly textured, and the micro-crystal growth was in the [111] direction. The electron gas was degenerate in all samples. From the fact that most experimental points could be reconciled with the theoretical expression for the thermoelectric power it is deduced that scattering is mainly by acoustic phonons. This agrees with the data obtained by R. Weiher (J. Appl. Phys. v. 33, 2834, 1962). The scatter in the experimental values is due to effects connected with the polycrystalline structure of the samples, namely surface phenomena

Card 1/2

ACC NR: AP6037023

and intercrystalline barriers. Orig. art. has: 1 figure and 2 formulas.

SUB CODE: 20// SUBM DATE: 17Jun66/ OTH REF: 002

Card: 2/2

L 02346-67 EWT(l)/EWT(m)/EWP(t)/ETI IJP(c) AT/JD

ACC NR: AR6025740

SOURCE CODE: UR/0058/66/000/004/A070/A070

64  
P

AUTHOR: Vaynshteyn, V. M.

f v1 v1

TITLE: Semiconductor films of tin dioxide obtained by reactive cathode sputtering

SOURCE: Ref. zh. Fizika, Abs. 4A591

REF SOURCE: Sb. Simpozium. Protsessy sinteza i rosta kristallov i plenok poluprovodnik. materialov, 1965. Tezisy dokl. Novosibirsk, 1965, 3-5

TOPIC TAGS: semiconducting film, tin compound, impurity conductivity, metal vapor deposition, carrier density, surface property

ABSTRACT: A procedure is developed for reactive cathode sputtering, which made it possible to obtain  $\text{SnO}_2$  films of high purity and to regulate the form and the concentration of the impurities in it within wide limits. The conductivity of these films ranged from  $10^{-8}$  -  $10^{-10}$  to  $2 \times 10^{-2} \text{ ohm}^{-1} \text{ cm}^1$ . In the case of reactive cathode sputtering of tin in an atmosphere of a mixture of argon and oxygen, both  $\text{SnO}_2$  and  $\text{SnO}_x$  ( $x < 2$ ) films were obtained. The stoichiometric composition of the films depends on the composition of the gas mixture. Unalloyed films, both of  $\text{SnO}_2$  and  $\text{SnO}_x$ , have low conductivity. Thus, the mechanism of conductivity in the films is predominantly of the impurity type. When Sn alloyed with Sb is sputtered, films are obtained with high electric conductivity. It is found that the carrier density in these films is lower than the concentration of the Sb atoms in the initial electrode. From electron-microscopic and electron-diffraction data it is found that the structure of  $\text{SnO}_2$

Card 1/2

L 02346-67

ACC NR: AR6025740

films obtained by reactive cathode sputtering is polycrystalline, homogeneous, and fine-grained. The films have an appreciable specific surface. [Translation of abstract]

SUB CODE: 20

ms  
Card. 2/2

ZOTOV, V.P.; SILUYANOV, V.G.; GUGINA, Ye.F.; AUERMAN, L.Ya.; ALEKHINA, M.S.; BEZZUBOV, A.D.; BODROV, V.A.; BUDNYY, A.V.; BURTSEV, Ye.L.; VAYNSHTEYN, V.O.; GAVRILOV, A.N.; GORBATOV, V.M.; GRITSENKO, N.N.; DOLGUSHEVA, L.I.; YEDYGENOV, K.Ye.; ZHURAVLEVA, S.S.; ZACHESKIN, Ya.A.; IVKIN, A.P.; IZOTOV, A.K.; IL'INSKIY, N.A.; IRINARKHOVA, A.M.; KARPENKO, A.K.; LYSOGOR, P.M.; LUPISH, A.T.; OLEYNIKOV, V.V.; ORANZHEREYEVA, V.F.; PETROV, N.A.; PYATIBRATOV, M.A.; ROMANOV, A.N.; RAUBE, P.V.; RYZHENKO, L.P.; SEMYKIN, A.A.; SHEFER, A.F.

G.IA.Ivanov; obituary. NTO 4 no.10:39 0 '62. (MIRA 15:9)  
(Ivanov, Georgii IAkovlevich, 1897-1962)

BELEN'KIY, Ya.Ye.; VAYNSHTEYN, V.S.; KONDRATENKOV, I.V.

Use of synchronous-fed transducers for measuring dynamic deformations.  
Avtom.kont.i izm.tekh. no.4:163-168 '60. (MIRA 13:8)  
(Transducers) (Deformations (Mechanics))

VAYNSHTEYN, V.S.

Automatic circuit breaker for resonant-type units for testing  
fatigue strength. Zav.lab. 25 no.9:1134-1135 '59.  
(MIRA 13:1)

1. Institut mashinovedeniya i avtomatiki Akademii nauk  
Ukrainskoy SSR.  
(Fatigue testing machines)  
(Electric circuit breakers)

28(5)  
AUTHOR:

Vaynshteyn, V. S.

SOV/32-25-9-42/53

TITLE:

Automatic Cutout for Resonance-type Units for the  
Testing of Fatigue Strength

PERIODICAL:

Zavodskaya laboratoriya, 1959, Vol 25, Nr 9, pp 1134-1135 (USSR)

ABSTRACT:

The presently used units for disengaging self-oscillating resonance systems permit an interruption of the work of the unit already at a frequency drop (FD) by hundredths of cycles from the initial value. Experience, however, showed that such a high sensitivity is not necessary and only makes the unit more complicated in design. An automatic cutout device (CD) was developed which turns off the resonance unit at a (FD) of tenths or a few cycles and which is simple in design. The working principle of the (CD) (Figs 1,2) is basically the following: When the fatigue cracks appear in the sample it changes its resonance frequency (RF) and the (RF) drops until it reaches the frequency for which the vibrator (V) of the resonance relay is set. By means of a console attachment, the (V) stands vertically and stands out through an operating winding (OW) between a contact (C) (Fig 2). When the (RF) and the frequency for which the (V) is set coincide, the latter

Card 1/2

Automatic Cutout for Resonance-type Units for the  
Testing of Fatigue Strength

SOV/32-25-9-42/53

begins to vibrate and closes the above-mentioned (C). This effects the disengaging of the resonance device (through a control electrode of an MTKh-90-type miniature thyratron with cold cathode) with the help of the wiring diagram (Fig 1) of the unit. The choice of the (V) material is important because it determines the influence of the outside temperature on the frequency of the (V). There are 2 figures and 1 Soviet reference.

ASSOCIATION: Institut mashinovedeniya i avtomatiki nauk Ukrainskoy SSR (Institute of Mechanical Science and Automation of the Academy of the Ukrainskaya SSR)

Card 2/2

10.8100

31819  
S/194/61/000/010/010/082  
D256/D301

AUTHORS: Belen'kiy, Ya.Ye., Vaynshteyn, V.S. and Kondratenkov,  
I.V.

TITLE: Measuring dynamic deformations with synchronously  
supplied sensors

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,  
no. 10, 1961, 24, abstract 10 A193 (Avtomat. kon-  
trol' i izmerit. tekhn., no. 4, Kiev, AN USSR, 1960,  
163-168)

TEXT: Theoretical principles are presented of a method of  
supplying the wire stress-sensors with a frequency equal to the  
basic frequency of the exciting force, the change in the measured  
deformation being obtained without additional conversions in a form  
of a low-frequency signal. The vibrator employed to excite oscilla-  
tions in the tested sample with the attached sensors is used at the  
same time to synchronize a vacuum-tube generator supplying the mea-

Card 1/2

Measuring dynamic deformations...

31819  
S/194/61/000/010/010/082  
D256/D301

suring bridge with a voltage of a constant amplitude in phase with the basic harmonic of the exciting force. From the bridge the voltage is fed to a low-frequency filter and then measured with an automatic potentiometer or a photo-recording device. 3 figures. 5 references. *[Abstracter's note: Complete translation]* X

Card 2/2

VAYNSHTEYN, V.Ya., inzh.; KUTYYEV, G.A., inzh.; RAPPOPORT, M.A., inzh.

Recent development in the operational technology of classification yards. Zhel. dor. transp. 37 no.8:34-38 Ag '55.  
(MIRA 12:8)

1.Zamestitel' nachal'nika stantsii Sverdlovsk-sortirovochnyy (for Vaynshteyn). 2.Zamestitel' nachal'nika sverdlovskogo otdeleniya stantsii Sverdlovsk-sortirovochnyy (for Kutyyev). 3.Zamestitel' nachal'nika tekhnicheskogo otdeleniya dorogi, stantsiya Sverdlovsk-sortirovochnyy (for Rappoport).  
(Railroads--Yards)

GAVRILOVA, K.; VAYNSHTEYN, Ya.

How should the laboratory of a restaurant's trust be organized? Obshchestv.pit. no.12:26 D '59. (MIRA 13:4)

1. Nachal'nik torgovo-roizvodstvennogo otdela Kishinevskogo  
tresta stolcwykh i restoranov (for Gavrilova). 2. Zaveduyush-  
chiy laboratoriye Kishinevskogo tresta (for Vaynshteyn).  
(Testing laboratories)  
(Restaurants, lunchrooms, etc.)

VAYNSHTEYN, Ya.A.

Changes in the grade standards for dried fruit. Standartizatsia  
no.1:69-72 Ja-Fe '56. (MLRA 9:2)  
(Fruit--Evaporation--Standards)

VAYNSHTEYN, Ya.I.

Plastic state of Baltic shale during its thermal decompositions  
Trudy VNIIPS no.3:27-43 '55. (MLRA 8:12)  
(Baltic Sea region--Oil shales) (Hydrocarbons)

VAYNSHTEYN, Ya. I.

Contraction and expansion of Baltic oil shales during thermal de-  
composition. Trudy VNIIPS no. 3:44-53 '55. (MLRA 8:12)  
(Baltic Sea region--Oil shales) (Hydrocarbons)

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APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859120012-2"

VAYNSHTEYN, Ya.I.; SHAPIRO, R.N.

Relation of output and production of gas to the productive capacity  
of shale compartment kilns. Trudy VNIIPS no.5:88-95 '56.  
(MLRA 10:5)

(Oil shales--Refining)

SINEL'NIKOV, A.S.; VAYNSHTEYN, Ya.I.

Care of refractory material in gas-producing shale compartment  
kilns. Trudy VNIIPS no.5:172-188 '56. (MLRA 10:5)  
(Oil shales--Refining)  
(Refractory materials)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859120012-2

BEZMOZGIN, E.S.; VAYMSHTEYN, Ya.I.; SINEL'NIKOV, A.S.

Pyrolysis of shale tar in compartment retorts. Trudy VIIIPS  
no.6:103-106 '58. (MIRA 11:8)  
(Tar)

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CIA-RDP86-00513R001859120012-2"

VAYNSHTEYN, Ya. I.; BEZMOZGIN, E.S.; SINEV'NIKOV, A.S.

Studying the thermal decomposition of shale in chambers of shale-gas retorts. Trudy VNIIPS no. 7:147-158 '59. (MIRA 12:9)  
(Oil shales) (Gas retorts)

1) 12.4) Project 1. Kursk Refinatviation Subj. 135

Vaynshitezyn Ya. I.

Vol. 8

Kharkovskaya Tekhnologiya Topliv i Produktov Yego pererabotki, vyp. 8  
 (Chemistry and Technology of Fuel and Products of their Refining), No. 8  
 Leningrad, Gosizdat GKh, 1958. 217 p. (Series: Its:  
 Leningrad, Gosizdat GKh. 2,500 copies printed.)

Sponsoring Agency: R.S.F.S.R. Leningradskiy gosnaukovedcheskiy  
 administrativnyy rayon. Sovet narodnogo khozyaistva.

Editor: N.M. Erlich; Head: A.A. Chirkov; Tech. Ed.: A.B.  
 Vaynshteyn, Editorial Board of series: E.S. Bymorgin,  
 A.Ye. Brashin, D.K. Kollerov, S.S. Semenov, A.S. Sinal'nikov,  
 and A.S. Potyayev.

PURPOSE: This collection of articles is intended for scientific,  
 engineering, and technical personnel in plants of the fuel and gas  
 industry.

COVERAGE: The results of research and experimental work carried out  
 in 1957 and 1958 by the All-Union Scientific Research Institute  
 for Shale Processing are summarized in this collection. Organic  
 components of oil shale from various regions, their chemical com-  
 position, and physical and chemical properties are reviewed, along  
 with the production of gas from oil shale. Alcoholysis, pyrolysis,  
 seagoing, of oil shale analysis, conversion of oil shale to shale  
 oil, the equipment used, hydrocracking of diesel fuel produced  
 from oil shale, extraction of phenol, and purification of shale  
 water by ionionite and formaldehyde. Most articles are concerned  
 with shale from the Baltic Region. In addition, the book contains information  
 on shale from Soviet and non-Soviet countries on the basis of oil shale.

EVALUATION: Physicochemical and physicochemical properties of  
 oil shale from the Baltic Region. (Article 2). Low reactivity of  
 oil shale and temperature of oil shale Seagoing  
 Vaynshteyn, Ya.I. Testing of gas Generating Stations or the Oil  
 shale oil shale in the form of Shalyte. 35  
 Berezin, S.I., N.M. Parchhevskiy, and M.N. Vaynshteyn. Prospects  
 of Using Oil shale at Plants Producing Gas from Oil Shale. 66  
 Semenov, S.S., and Ya.I. Tabakin. Condensation and Cooling System  
 for the Vapor and Gas mixture Produced in the Seagoing of Oil  
 Shale. 75

Plotnikov, I.Z. Method of Radiant Heat Transfer in Immobile  
 Fluids. 82  
 Orlopinov, Z.E., I.M. Rablin, and A.Ye. Brashin. Study of Toxicity  
 of Light Fractions of Gasoline Produced From Liquid; 23; The Fine  
 Pipe of Ordering Fuel Gases. 97  
 Minkov, B.I., M.I. Zelenin, M.P. Sharopova, and Yu.A. Fizik. Pur-  
 ification of Polymers and Conversion of the Kochta-Yarre-Lesnoye  
 Gas Pipeline. 106  
 Zhuravko, V.L., and V.L. Klimenko. New Pipe Stills for Conversion of  
 Hydrocarbon Gas. 113  
 Olsubskiy, Ye.V., and M.Q. Freys. Hydrogenation of Diesel Fuel  
 Produced From Oil shale. 133  
 Olsubskiy, Ye.V., and S.S. Nasirova. Composition of Chemical Groups  
 and Polymer's Properties of Natural Oxygen Compounds Contained in  
 Shale Tar Produced by Seagoing. 142  
 Sorokina, M.V. Ways of the Fraction Contained in Shale  
 Tar From the Kurnaschka With a Freezing Point Up to -190°C  
 Lepin, V.M., and S.S. Nasirova. Ways of Increasing Production of  
 Sulfuric-acid Components of Oil Shale Tar. 175  
 Khol'skiy, M.V. Composition of Pyridine Bases of Oil Shale Tar  
 From the Furnace Chamber. 195  
 Ivanov, B.I., and Yu.A. Kosak. Countercurrent Extraction of Phenol  
 From Shale Water Performed With Butylacetate and the Problem of  
 Water Transfer. 211  
 Ivanov, B.I., N.P. Sharopova, and Z.P. Shul'man. Purification  
 With Ammonite of Oil Shale Tarry Waters. 213  
 Ivanov, B.I., and K.A. Orlukhin. Purification of Phenol. Nature  
 Produced During the Process of Conversion of Oil Shale by Means of  
 Convoluted with Polyacrylic Acid. 220

BARSHCHEVSKIY, M.W.; BEZVOZGIN, E.S.; VYNSHTEYN, Ya.I.;  
SINEL'NIKOV, A.S.

Extracting phenols from a vapor-gas mixture in a centrifugal  
tar separator. Trudy VNIIT no.12:90-96 '63. (MIRA 18:11)

VAYNSHTEYN, Ya. I.

Water refluxing of a steam-gas mixture of shale gas generators.  
Trudy VNII No. 11:56-62 '62. (MIRA 17:5)

VAYNSHTEYN, Ya.I., inzh.; FADINA, N.M., inzh.

Increase in the evaporative capacity of boilers. Energetik 10  
no.4:13-16 Ap '62. (MIRA 15:4)  
(Boilers)

VAYNSHTEYN, Ya.I.; SHAPIRO, R.N.

Final gasification of oven coke by an air-steam blast enriched  
with oxygen. Trudy VNIIT no.10:44-48 '61. (MIRA 15:3)  
(Coal gasification) (Coke)

VAYNSHTEYN, Ya.I., inzh.; FADINA, N.M., inzh.

Adjustment of slit-type gas burners. Teploenergetika & no.3:  
11-12 Mr. '61. (MIRA 14:9)

1. Energonaladka.  
(Gas burners)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859120012-2

VAYNSHEYN, M.I., inzh.; PARUNOV, A.P., inzh.

Adjustment of the operation of the circulation stages of steam extractors. Energetik. 13 no.9:12-13 S '65. (MIRA 18:9)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859120012-2"

VAYNSHTEYN, Ya.I.

Processing of dried oil shale in compartment kilns. Trudy VNIIPS  
no.4:85-91 '55.  
(Oil shales--Drying) (MIRA 13:4)

VAYNSHTEYN, Ya.I.

Testing shale-gas generators at the shale-gas producing plant in  
Slantsy, Trudy VNIIT no.8:52-65 '59. (MIRA 13:4)  
(Slantsy (Leningrad Province)--Gas producers--Testing)  
(Oil shales)

LUR'YE, Yu.S.. Prinimali uchastiye: DRABKIN, G.S., inzh.; KOCHANOV,  
Ye.V., inzh.. OKOROKOV, S.D., dotsent, kand.tekhn.nauk, retsenzent,  
nauchnyy red.; VAYNSHTEYN, Ya.M., inzh., retsenzent; TYUTYUNIK,  
M.S., red.izd-va; RUDAKOVA, N.I., tekhn.red.; NAUMOVA, G.D.,  
tekhn.red.

[Portland cement] Portlandtsement. Moskva, Gos.izd-vo lit-ry po  
stroit., arkhit. i stroit.materialam, 1959. 350 p. (MIRA 13:3)  
(Portland cement)

VAYNSHTEYN, Ye. I.

Cand Med Sci - (diss) "Experimental and clinical observations on the anti-inflammatory action of penicillin in phlyctenular affections of the eyes." Samarkand, 1961. 19 pp; (Samarkand State Med Inst imeni Academician I. P. Pavlov); 150 copies; price not given; (KL, 7-61 sup, 257)

VAYNSHTEYN, Ye.I., inzh.; PETROV, V.P., inzh.

Hardening of welded joints made in 14G2 and 15KhSND low alloy steels. Svar. proizv. no.8:14-15 Ag '65. (MIRA 18:8)

1. Chelyabinskiy politekhnicheskiy institut (for Vaynshteyn).
2. Chelyabinskiy zavod metallokonstruktsiy (for Petrov).

VAYNSHTEYN, Ye. M. Cand. Med. Sci.

Dissertation: "The Condition of the Lung Artery in Cases o f Rheumatism." First  
Moscow Order of Lenin Medical Inst. 3 Nov 47.

SO: Vechernaya Moskva, Nov, 1947 (Project #17836)

VAYNSHTEYN, Ye.M., kandidat meditsinskikh nauk (Moskva)

Rupture of an aortic aneurysm; diagnosis and clinical picture.  
Klin.med. 35 no.3:143-147 Mr '57. (MLRA 10:7)

1. Iz Terapevticheskogo otdeleniya (nauchnyy rukovoditel' - prof.  
I.S.Shintser) 6-y Gorodskoy klinicheskoy bol'nitsy Moskvy (glavnyy  
vrach N.S.Shev'yakov)  
(AORTIC ANEURYSM, rupt.  
diag. (Rus))

DYMSHITS, L.A.; VAYNSHTEYN, Ye.N.

Certain clinical data on the effect of the cerebral cortex on intra-ocular pressure in glaucoma. Vest. oft., Moskva 31 no.6:3-11 Nov-Dec 1952.  
(CLML 23:4)

1. Professor for Dymshits. 2. Of the Eye Clinic of Leningrad Pediatric Medical Institute and of the Eye Division of Hospital imeni Kuybyshev.

VAYNSHTEYN, Ye.N.

✓ Kinetics of potassium bicarbonate decomposition. M. V. Pavlyuchenko and E. N. Valushtsin (White Russian V. I. Lenin State Univ., Minsk). *Zhur. Fiz. Khim.* 29, 1173-80(1955).—The kinetics were studied at 188-214°. The decompr. rate increases with the temp. to a max. and then drops to 0. The reaction starts in separate centers and then spreads rapidly along the surface, which is coated in 5-10 min. with the solid reaction product. A 50-fold increase in the geometric surface of the  $K_2\text{CO}_3$  has practically no effect on the reaction rate, which is explained by the large inner surface of the crystals. The activation energy of the decompr. of  $\text{KHCO}_3$  was found equal to 15,500 cal., and equals within the exptl. error, the heat effect of the  $\text{KHCO}_3$  decompr. reaction.  $\text{K}_2\text{CO}_3$ , whether applied to the  $\text{KHCO}_3$  from soln. or ground with the  $\text{KHCO}_3$  and triturated with it, does not increase the decompr. velocity.

W. M. Sternberg

PAVLYUCHENKO, M.M.; VAYNSHTEYN, Ye.N.

Decomposition kinetics of sodium bicarbonate. Uch.zap. BGU  
no.29:95-101 '56.  
(Sodium carbonates) (Chemical reaction, Rate of)  
(MIRA 11:11)

VAYNSHTEYN, Ye. S., Cand of Med Sci — (diis) "The Significance of Non-mesh X-rays  
in the Diagnosis and Localization of Interocular Splinters," Moscow, 1959, 16 pp  
(State Scientific Research Institute of Roentgenology and Radiology)  
(KL, 2-60, 116)

VAYNSHTEYN, Yevsey Solomonovich; YAKHNICH, I.M., red.; LYUDKOVSKAYA,  
N.I., tekhn. red.

[X-ray diagnozis of foreign bodies in the eye] Rentgenodiag-  
nostika inorodnykh tel glaza. Moskva, Medgiz, 1962. 123 p.  
(MIRA 15:11)

(EYE--FOREIGN BODIES)  
(DIAGNOSIS, RADIOSCOPIC)

FRADKIN, M.Ya.; VILENKINA, A.Ya.; ITSIKSON, L.Ya.; VAYNSHTEYN, Ye.S.

Biochemical principles and the differential diagnosis of primary  
cataracts. Uch.zap. GNII glaz.bol.no.8:7-12'63. (MIRA 16:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut glaz-  
nykh bolezney imeni Gel'mgol'tsa.  
(CATARACT) (DIAGNOSIS, DIFFERENTIAL)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859120012-2

FRADKIN, M.Ya.; VILENKINA, A.Ya.; ITSIKSON, L. Ya.; VAYNSHTEYN, Ye.S.

Conservative treatment of initial cataracts. Uch.zap. GNII  
glaz.bol. no.8:84-90'63. (MIRA 16:9)  
(CATARACT) (CYSTEINE)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859120012-2"

VAYNSTEYN, Ya.S.

X-ray diagnosis of foreign bodies in the crystalline lens.  
Uch.zap. GNII glaz.bol. no.8:44-48'63. (MIRA 16:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut glaz-  
nykh bolezney imeni Gel'mgol'tsa.  
(DIAGNOSIS, RADIOSCOPIC)  
(CRISTALLINE LENS—FOREIGN BODIES)

LIBERMAN, German Abramovich; VAYNSHTEYN, Ye.S., red.; MATVEYEVA,  
M.M., tekhn. red.

[Cancer of the eyelids, its diagnosis and treatment] Rak  
vek, raspoznavanie i lechenie. Moskva, Medgiz, 1963. 210 p.  
(MIRA 16:7)

(EYELIDS--CANCER)

ALEKSEYEVA, Vera Ivanovna; VAYNSHTEYN, Ye.S., red.

[Chalicosis of the eye] Khal'koz glaza. Moskva, Medi-  
tsina, 1965. 113 p. (MIRA 18:5)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859120012-2

KONSTANTINOV, V.N., Inzh.; OZOL, Yu.R., inzh.; VAYNCHUTSYN, Ye.S., inzh.;  
KLOCHKOV, V.I., inzh.

Units for the production of plane films. Khim. i neft. mashinostr.  
no.1:5-9 Ja '65. (MIRA 18:3)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859120012-2"

VAYNSHTEYN, Ye. S.; BURDYANSKAYA, Ye. I.

New modification of surgery for lacrimation caused by eversion of  
stenosis of the lower lacrimal punctum. Oft. zhur. 14 no. 7:415-418  
'59. (MIRA 13:4)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta glaznykh  
bolezney im. Gel'mglo'tsa (direktor - starshiy nauchnyy sotrudnik  
A.V. Roslavtsev).  
(LACRIMAL ORGANS--SURGERY)

VAYNSHTEIN, Ye.S., kand. med. nauk; GRIGORYANTS, T.N., klinicheskiy  
oordinator

Comparative evaluation of various methods of estimating the  
location of foreign bodies by means of nonskeletal photo-  
graphs. Oft. zhur. 18 no.7:403-408 '63 (MIRA 17:4)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta  
glaznykh bolezney imeni Gel'mgol'tsa.

VAYNSHTEYN, Ye.S., nauchnyy sotrudnik

Determination of the localization of foreign bodies in the eye with  
the "light meter" cassette. Vest.rent.i rad. 34 no.6:65-68 N-D '59.  
(MIRA 13:5)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta glaz-  
nykh bolezney imeni Gel'mgol'tsa (dir. - kandidat meditsinskikh  
nauk A.V. Roslavtsev).  
(EYE foreign bodies)

VAYNSHTEYN, Ye.S.

New method for examining the optic canals. Vest. oft. 34 no.5:  
37-39 S-0 '55. (MLRA 8:11)

1. Iz rentgenovskogo otdeleniya (i.o.zav.otd.-kandidat med.  
nauk, L.Ya.Itsikson) Nauchno-issledovatel'skogo instituta  
glaznykh bolezney imeni Gel'mgol'tsa (dir.-kandidat med.  
nauk A.V.Roslavtsev)  
(OPTIC TRACT, radiography)

EXCERPTA MEDICA Sec.12 Vol.12/5 Ophthalmology May 58  
VAINSHTEYN, Ye.S.

774. THE PRACTICAL USE OF AN X-RAY GAUGING CASSETTE FOR THE LOCALIZATION OF INTRAOCULAR FOREIGN BODIES (Russian text) -  
Vainshtein E. S. - SBORN. INFORM. - METOD. MATERIAL. INST. 1956,  
4 (66-68)

With the use of a special X-ray gauging cassette a millimetre grid was obtained on the plate. This grid enabled foreign bodies in the eye to be localized. The author checked in clinical practice the exactness of this method of the localization of foreign bodies. 124 patients were examined. The assessment, using the grid, was not inferior in accuracy to the assessments made with the use of other measuring schemes. Foreign bodies were removed from the eyes by this method in 98.6% of cases. (S)

VAYNSHTEYN, Ye.S.

Eyelid retractor for locating foreign bodies in the eye. Vest.rentg.  
i rad. 33 no.1:79-80 Ja-F '58. (MIRA 11:4)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta glaznykh  
bolezney imeni Gel'mgol'tsa (dir.-kand.med.nauk A.V. Roslavtsev).  
(EYE, for. body  
eyelid dilator for localization (Rus)

PAVLOV, Nikolya Mikhaylovich; VAYNCHTEIN, Ye.S., red.

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(MIRA 17:9)

FRADKIN, M.Y., prof.; VILENKINA, A.Ya., doktor med.nauk; ITSIKSON, L.Ya.,  
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(MIKA 15:2)  
83-85 Jl-Ag '61.

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta glaznykh  
bolezney imeni Gel'mgol'tsa (dir. A.V.Roslavtsev).  
(RADIATION SICKNESS) (CATARACT)

VAYNSHTEYN, Yefrem Vladimirovich; MARCHENKO, A.A., laureat Lenin-skoy premii, red.; SVET, Ye.B., red.

[At one of the seven-year plan's construction projects;  
experience in the construction of the Chelyabinsk Sheet-Rolling Mill] Na odnoi iz stroek semiletki; opyt stroitel'stva Cheliabinskogo listoprotkatnogo stana. Cheliabinsk, Cheliabinskoe knizhnoe izd-vo, 1963. 155 p. (MIRA 17:9)

1. Rukovoditel' Ural'skogo filiala Akademii stroitel'stva i arkhitektury SSSR (for Marchenko).

ITSIKSON, Liya Yakovlevna; VAYNSHTEYN, Yevsey Solomonovich;  
BELOSTOTSKIY, Ye.N., red. [deceased]; LYUDKOVSKAYA, N.I.,  
tekhn. red.

[Use of X rays in the diagnosis and treatment of eye diseases]  
Primenenie rentgenovykh luchei v diagnostike i lechenii glaz-  
nykh boleznei. Moskva, Medgiz, 1961. 283 p. (MIRA 15:7)  
(EYE--DISEASES AND DEFECTS)  
(X RAYS--THERAPEUTIC USE)

YARTSEVA, N.S., vrach; VAYNSHTAYN, Ye.S., kand.med.nauk

Effect of cysteine on the course of kratitis. Uch.zap. GnII  
glaz.bol. no.7:307-311 '62. (MIRA 16:5)

1. Iz glaznogo otdeleniya polikliniki No.7 Moskovskogo gorodskogo  
otdela zdравоохранения i rentgenovskogo otdeleniya Gosudarst-  
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imeni Gel'mgol'tsa.  
(CORNEA---DISEASES) (CYSTEINE)

VAINSHTEYN, Ye.V., akademik, redaktor; LEVANODOVSKIY, A.P., dotsent,  
redaktor; BEKOVA, T.N., redaktor kart; VAINSHTEYN, Ye.V., redaktor  
kart; YUGOROVA, L.N., redaktor kart; KUZNETSOVA, E.A., redaktor  
kart; KUCHBORSKAYA, Ye.P., redaktor kart; MARTOVA, K.B., redaktor  
kart; FIL'GUS, Z.Kh., redaktor kart; SHMUYLOVICH, E.A., redaktor  
kart; YASHUNICHKINA, Ye.G., redaktor kart

[Atlas of medieval history] Atlas istorii srednikh vekov. Izd. 2-oe.  
Moskva, Glav.upr. geodezii i kartografii MVD SSSR, 1956. 73 p.  
(Middle ages--History--Maps) (MLRA 10:3)

SOV/137-58-11-22062

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 11, p 32 (USSR)

AUTHOR: Vaynshteyn, Ye. V.

TITLE: Novel Features in the Building of Blast Furnace Nr 5 (Novoye v  
stroitel'stvo domennoy pechi Nr 5)

PERIODICAL: Tekhn.-ekon. byul. Sov. nar. kh-va Chelyab. ekon. adm. r-na,  
1958, Nr 2, pp 14-15

ABSTRACT: The builders of Chelyabinsk have undertaken the obligation of launching blast furnace Nr 5 almost 2 months ahead of time, i.e., on November 7, 1958. The furnace is being equipped with the latest mechanisms and automatic devices. The gas pressure on the throat will go up to 1.5 atm. The hearth bottom is designed for air cooling from below. The pouring of pig iron and slag into hot metal cars and slag pots is planned to be by means of swinging spouts. As the cars are filled, they will be moved along by pushers. A strict construction procedure has been adopted. All underground installations are built first. After they have been covered and the area has been graded, the craneways are laid for the tower crane to assemble the furnace. A new development here is the construction of the

Card 1/2

SOV/137 58-11-22062

Novel Features in the Building of Blast Furnace Nr 5

main water pipe line of assembled reinforced concrete sections weighing 10 tons each. To speed erection of metal fabrications, not one but three tower cranes are being used, of which one will be employed for erection of the stoves and skip bridge, and the other for assembly of the cast house.

M. M.

Card 2/2

VAYNSHTEYN, Yu.

Doubling and tripling the work norm per shift. Mias.ind.SSSR 27  
no.2:33-34 '56. (MLRA 9:8)

1. Upravlyayushchiy Dagestanskim myasotrestom.  
(Daghestan--Meat industry)

VAYNSSTEYN, Yu.I.; GINZBURG, K.Ya.; CHEKALINA, S.V.

Determination of bismuth, copper, and lead impurities in highly  
volatile organosilicon compounds. Metod. anal. khim. reak. i prepar.  
no.5/6:69-72 '63. (MIA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh  
reaktivov i osobu chistiykh khimicheskikh veshchestv.

SINYAKOVA, S.I.; VAYNSHTEYN, Yu.I.

Present state of the polarographic method for determining the ultramicroimpurities by means of electrolytic accumulation on mercury and solid electrodes with the subsequent dissolution of mixtures. Metod. anal. khim. reak. i prepar. no.5/6:5-15 '63.  
(MIRA 17:9)

1. Institut geokhimii i analiticheskoy khimii imeni V.I. Vernaiskogo  
AN SSSR i Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh  
reaktivov i osoboi chistykh khimicheskikh veshchestv.